pesticides and if so, when was the project started and with what results; and

(b) whether any follow up action has been taken in the matter to prevent similar occurrences elsewhere and if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA): (a) No, Sir.

(b) Dos not arise.

Insecticides/Fungicides developed by CSIR

3297. SHRIMATI MANORAMA PANDEY: Will the PRIME MINISTER be pleased to state:

(a) the names and details of Insecticides, Fungicides being developed by CSIR Laboratories and the process and technical know-how released for their production;

(b) whether it is a fact that the National Chemical Laboratory (NCL), Puna has developed insecticides process know-how which could replace ineffetive formuation for the Control of mosquito and mosquito Larva, if so, the details thereof; and

(c) the norms and criteria laid down by CSIR or its associated institutions for the process of commercialisation?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA): (a) The names and details of some of the important insecticides/fungicides being developed by CSIR laboratories are:

Product	Uses	Laboratory
Ethofenprox	Insecticides	Natioanl Chemical Laboratory, Pune
Metalaxyl Anilophos	Pesticides	Regional Research Laboratory, Jorhat
Acephate Chlorthalonil Pirimiphos	Insecticides	Indian Instt. of Chemical Technology, Hyderabad
Pheromones	Pesticides for cotton, ground nut, potato and Peas.	Indian Instt. of Chemical Technology, Hyderabad/ Regional Research Laboratory, Trivendrum.
S-Fluvalinate S-Flucythrinate	Neem based antifeedants	Indian Instt. of Chemical Technology, Hyderabad
Neem Rich I & II	Neem based pesticides	National Chemical Laboratory, Pune.

The process and technical know-how for these insecticides/fungicides are not ready for release for their production.

CSIR has released process/technical know how for production of various other insecticides/ fungicides. Details of the more important among these are—

Product (Uses)	Laboratory	Details
Monochrotophs (insecticide)	Indian Instt. of Chemical Technology, Hyderabad	Licensed to 8 parties.
Quinolphos (insecticide)	Indian Instt. of Chemical Technlogy, Hyderabad/ Regional Research Laboratory, Jorhat	Licensed to 3 parties.
Chloropyriphos insecticide	Indian Instt. of Chemical technology, Hyderabad	Licensed to 5 parties
Diazinon (insecticide)	Indian Instt. of Chemical Technology, Hyderabad	Licensed to 2 parties.
Dimethoate (insecticide)	National Chemical Laboratory, Pune	Licensed to 4 parties.
Phosphomidon (insecticide)	Regional Research Laboratory, Jorhat	Licensed to 3 parties.
Carbendazin (Fungicide)	Indian Instt. of Chemical Technology, Hyderabad	Licensed to 1 party.
Carboxin (Fungicide)	National Chemical Laboratory, Pune	Licensed to 3 parties.
Methyl Benzimidazole Carbomate (MBC) (Fungicide)	Indian Instt. of Chemical Technology, Hyderabad	Licensed to 1 party.

(b) National Chemical Laboratory (NCL), Pune has developed a controlled release (CR) formulation of mosquito larvicide called 'ABATE". The formulation has been developed at laboratory scale under a UNDP sponsored project. The Controlled release characteristic of ABATE makes it more effective than normal formulations. It has been field tested and its effect has been found to last for a period of four months.

(c) CSIR licenses its processes/know-how only after it has been adequately developed for commercialisation. Unencumbered knowhow are normally licensed on a non-exclusive basis against a fee. In order to ensure successful commercialisation of its knowhow CSIR specifies certain minimum qualifications required of the licensee such as desired technical background, market knowledge/ experience in the specified field etc.

Post-graduate and Post-doctoral Programme for manpower in biotechnology

3298. SHRI SURESH PACHOURI: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the Department of Biotechnology is funding Post-Graduate and Post-Doctoral Programmes for Manpower in Bio-technology;

(b) if so, the States and Institutions selected for the purpose;

(c) what is the institutions-wise, and year-wise, amount so far sanctioned and provided by Government including UGC, CSIR, Department of Science and Technology etc. for the above mentioned programmes/courses;

(d) the number of students who have been admitted and of those who have successfully completed or are presently